



# Oregon State University

## College of Forestry

### ANNUAL ACADEMIC REPORT - FY 2018

The College of Forestry achieved a number of goals related to OSU's strategic priorities in FY 2018. We supported academic, research, and teaching excellence and continued to work toward our vision of becoming the top education and research institute in the world focused on the relationship between healthy ecosystems, communities, people and businesses. In 2018, Oregon State University was recognized as a world-class center in forestry and natural resources for the sixth year in a row. **Oregon State was ranked second in the world and first in the nation for forestry** by the Center for World University Rankings while **ranking second in the nation as a place for students to pursue a natural resources-related degree** by College Factual.

The college remains committed to the goals outlined in the Oregon State Strategic Plan. The following report contains a sample of the programs, initiatives and accomplishments during the past academic year as the college continues to produce graduates and conduct research that has a positive impact in Oregon and beyond.

### TEACHING AND LEARNING

#### GOAL: Provide a transformative educational experience for all learners

##### - Enhance teaching and advising in ways that raise and equalize student success

- Dedicated to preparing the future leaders of our working forest landscapes, **the college awarded 177 undergraduate degrees and 62 graduate degrees in FY 2018**. At the graduate level, the college awarded 18 master of science degrees, 31 master of natural resource degrees, 10 Ph.D. degrees, and three master of forestry degrees.
- **Forestry field school remains a signature part of the curriculum for college students**. This two-credit course is required for admission into professional school and **provides students a hands-on experience in the major aspects of forestry**, including: regeneration surveys, silviculture, cruising, recreation, forest disturbances, and logging site and mill visits on the east and west sides of the Cascades Range. This past year, 66 students participated in the course and builds a cohort that includes transfer students who completed their pre-professional coursework at a community college.
- The renewable materials program continues its **two-term series of specialized coursework** focused on the specifics of manufacturing, marketing, and distribution of unique renewable materials-based products. These courses give students opportunities to apply what they learn in the classroom and produce manufactured products from wood and other renewable materials. This year, **the courses were offered in close collaboration with the University of Oregon School of Architecture & Allied Arts**. As a result, **students successfully designed, developed, manufactured, and marketed a line of cheese cutting boards** under the Beaver Classic Wood Products brand.
- **Building student international experiences** remains a signature focus for the college. While the college has a strategic priority to focus on the Pacific Rim, a broad suite of activities offers global engagement. All college faculty-led programs (to Italy, Borneo, Chile, and Alpine Europe) were nearly filled to capacity. The college continues to support its students in going abroad, with **35 students receiving direct funding from the Dean's office**. College students were also successful in obtaining prestigious awards for study abroad, namely from the Marshall Plan and Gilman scholarships.
- **The college offers a Mentored Employment Program** that enables faculty to hire undergraduate students on research and other projects with an expectation of at least one hour of direct mentoring per week. The program supports about 15 students per year and targets underserved minority students by allocating approximately \$15,000 in paid mentored experiences.
- The college **remains committed to enhancing student success and retention through professional academic advising**. National standards in the field suggest a maximum student to advisor ratio of 300:1. For 1.00 FTE

professional advisors, the college's maximum for on-campus students is 275:1, and 225:1 for Ecampus students (for whom advising is more time-intensive).

- **A new woodturning studio was built and stocked for the FY 2018 academic year.** Three new courses were developed to utilize this space and were held in the past year (Turning with Science I, Turning with Science II, and Sculptural Turning). All courses were cross-listed in Art. The studio was also used by students as part of their senior capstone for the Renewable Materials Art and Design option, where they **completed a wood mural project for the United Way of Benton and Lincoln Counties.** The project created a more welcoming space for visitors to the building while highlighting Oregon's wood products history.

- **Promote responsible citizenship and global awareness among students**

- The college prides itself on educating and preparing its students to be competent, innovative and professional members in the broad fields of forestry, natural resources, recreation, tourism and renewable materials. Students in all programs are encouraged, and for some majors, required, to have **work experience** in their chosen fields. Support activities include **employer information nights and interviews, SAF Student Chapter Career Fair** (a record 51 companies in attendance in FY 2018), and the **College Jobs Page** (660 jobs posted during the academic year).
- Faculty in Wood Science and Engineering (WSE) are **highly connected to the wood products industry, internationally and nationally, and place a high value on experiential learning opportunities.** Every student that graduates from the renewable materials degree program **has at least six months of experience through an internship, exchange or summer jobs program.** In FY 2018, the department offered a short-term study abroad experience in Alpine Europe that explored the sustainability of the built environment.
- Forest Ecosystems and Society (FES) faculty and instructors supervise several students in projects that are tailored to provide hands-on experience with research or land management. Tourism, recreation and adventure leadership (TRAL) students complete a work experience requirement. The revisions to the natural resources degree permit students to use study abroad and internship credits in place of traditional classroom instruction.

- **Advance learning through course and program (re)design, program assessment, and faculty development (in degree programs as well as the Baccalaureate Core)**

- FY 2018 marked the first year **students could enroll in the TRAL program.** The degree offers two options in Corvallis (Outdoor Recreation Management and Sustainable Tourism Management) and two options at OSU-Cascades (Adventure Leadership Education and Nature, Eco and Adventure Tourism). **Enrollment is especially promising at the Cascades campus,** where the addition of a new full-time instructor has greatly increased capacity to offer core skills courses in the new degree.
- The college **remains a strong partner with Oregon's community colleges,** providing and updating transfer guides for all majors. In FY 2018, the college entered detailed **pathway agreements with Umpqua Community College and Southwestern Oregon Community College.** This enables students to find a more financially accessible pathway to the college's degree programs. These partnerships are critical as students in the college currently have the lowest median expected family contribution at Oregon State (approximately \$2100 per year).
- Oregon State is one of nine universities that has an **academic program certified by the Association for Fire Ecology.** Developed in FY 2017, the AFE certified forest restoration and fire degree option has grown to 33 students.
- **WSE has completed a major overhaul of the renewable materials curriculum, including finalizing the addition of a new option: Advanced Wood Manufacturing.** The department created five courses in direct support of the Advanced Manufacturing option: WSE 351 Advanced CAD, WSE 352 CAM for the CNC Router & Laser Cutter, WSE 450 Entrepreneurial Product Development I, WSE 451 Entrepreneurial Product Development II, and WSE 463 Advanced Manufacturing II. The option is open to students in Fall 2018.

**- Grow online and hybrid-delivery education and develop new pedagogical models**

- **Forest Engineering, Resources, and Management (FERM) now conducts nine Ecampus courses and three are offered twice per year.** Revenue from the courses is used to enhance curriculum by providing funding for additional course offerings, faculty training, course development and revamping of current courses.
- **Nearly 25 percent of OSU College of Forestry students** pursue their degree through Ecampus.

**- Enhance our comprehensive Healthy Campus Initiative**

- The college actively promotes and encourages the entire Corvallis and Oregon State community to **utilize recreation opportunities at the College Research Forests**. Throughout the more than 15,000-acres of managed forests, visitors can explore the area by foot, horseback or non-motorized bicycle. During FY 2018, the **College Research Forests had more than 140,000 user-visits** to participate in recreation activities.

**- Recruit diverse and high-achieving students**

- **Incorporating nearly all areas of the college, the college launched its comprehensive strategic recruitment plan.** Since the launch of the plan, the college has seen an increase across all areas of the recruitment funnel. In FY 2018, **applications and admits to college programs were up close to 20%**. Traffic to program websites has increased by 300% over previous years. The college **is projecting 165 new first-year and transfer students to its degree programs for Fall 2019**, a 19% increase over the previous year.
- **The college saw gains for overall undergraduate student enrollment and the percentage of female and underrepresented minority students.** Overall, undergraduate enrollment increased by two percent (to 935 students) as female students now represent 40 percent of the college while underrepresented minorities (self-reported) make up 15 percent of the student body (an increase from 10-percent in FY 2015).
- In FY 2018, the college **actively participated in 52 recruitment events**. The college restructured the full-time undergraduate recruiter position to reach more students in FY19 and beyond. The college anticipates the new undergraduate recruiter, hired in December 2018, will attend over 100 recruitment events next year.
- Programs implemented to recruit high-achieving students include: **Explore Your Forests: Teacher Workshop and Student Event** (a program developed to connect high school teachers and their students to forestry and STEM content), **OSU Night in Portland** for high-achieving admitted students and **Oregon Envirothon**.
- The college actively planned and participated in a number of events and activities aimed at **recruiting and supporting students from diverse backgrounds and promoting an inclusive college and university community**, including: **LSAMP Summer Bridge and LSAMP Academy**, and campus visits to rural and urban high schools throughout Oregon.
- The college continues to provide leadership and facilitation of OSU faculty, staff, and Tribal partners in **the development of a Native American Educational Pathways proposal**. The college co-organized and co-sponsored **the Oregon Indian Education Association's Annual Conference**, held on the Corvallis campus May 1-2, 2018. In addition, the college is collaborating with OSU colleagues **on an Oregon Sea Grant proposal** entitled "Engaging Collaborative College Pathways for Native American Youth in Coastal Tribes."
- Wood Science and Engineering has established an industry partnership for student recruitment, Friends of Renewable Materials. Eight companies/individuals have committed \$360,000 in scholarship monies and have committed to assist with recruiting efforts.
- In December 2017, **an initiative for recruitment of Native Americans for the college's graduate forestry programs** was developed, funded partially by the department with a supplemental Laurels Block Grant. A committee including Bureau of Indian Affairs, the Intertribal Timber Council, the USDA Forest Service, and Salish-Kootenai College assisted in identifying potential candidates. Four Native American students were selected for admission in Fall 2018 to receive these tuition support awards. These students represent 23% of the incoming Fall 2018 class of forestry graduate program students.

- **The College Research Forests hosted a successful STEM Academy each of the last five years.** The program engages high-level high school students in forest and forest ecology to further their understanding of how forest ecosystems work and what is involved in their management. Approximately 20 students participate in the program each year.
- **The college continues to hold its very successful National Get Outdoors Day event to introduce first-time visitors to public lands and reconnect youth to the great outdoors.** Hosted at the College Research Forests, the event exposes families to the forest through various educational activities and hikes. This year, utilizing an active outreach approach to underserved population the English and Spanish communications, more than 400 attended the event.

**- Other initiatives focused on teaching and learning**

- **Construction for the Oregon Forest Science Complex formally launched. Once completed this will provide an environment and space that focuses on advancing student success.** The new complex will include innovative classrooms, small group and individual study areas, spaces conducive to informal learning, and outdoor landscaping that extends the reach of our instruction and research that actively engages our students.

**RESEARCH AND CREATIVE WORK**

**GOAL: Advance high impact research and creative work while building preeminence in the three signature areas of distinction.**

**- Attract and retain exceptional faculty**

- **The College of Forestry is ranked second globally and first in North America due largely to the research productivity of faculty.** The diversity of expertise and commitment to high quality applied and basic research is recognized internally (a key to retention) and externally (a key to recruitment). To provide opportunities for faculty to redefine their interest and highlight areas of potential growth personally and programmatically, **the college hired Dr. Kathleen Kavanagh to serve as Associate Dean for Research.** Dr. Kavanagh, previously a professor and department head at Texas A&M University, will join the college in Summer 2018.
- After several years remaining unfilled, the **FERM department hired Dr. Kevin Lyons to serve as the Wes LeMatta Professor in Forest Engineering.** Lyons joins Oregon State from the University of British Columbia and will provide research thought leadership in the field of forest operations and engineering.
- College faculty continue to be recognized as active leaders in forestry-related research. During FY 2018, **faculty produced more than 200 refereed publications.**

**- Cultivate transdisciplinary research (on campus or through partnerships)**

- Work continues on seven projects **funded under the college's research umbrella, the Institute for Working Forest Landscapes (IWFL).** The IWFL explores how proactive management of forests can improve the health of rural communities and provide ecological integrity and long-term resilience of vital ecosystems. This new vision builds on the college's longstanding role as Oregon's principal research engine for providing science-based information about forests and their value to people and communities. The projects were funded utilizing unallocated funds across a variety of college budgets **and totaled approximately \$1.3-million.**
- **A multi-year study of the marbled murrelet, a threatened West Coast seabird that nests as far as 50 miles inland, continues and aims to discover the animal's habitat needs, understand the reasons for the species' ongoing population decline in the Northwest, and allow forest managers on public and private lands to balance habitat conservation with timber land management.** The largest study to date of this specie's relationship to land management, when completed **it will provide a leading example of how research carried out at a land-grant institution can inform public and private forest lands management decisions while conserving at-risk species.**

### - Increase the quality, capacity and impact of graduate programs.

- The FES **on-campus graduate programs completed its five-year review**, and feedback from the Oregon State Graduate School was largely positive. Several FES and NR on-line courses received funding from Ecampus for a refresh. Several FES department coffees involved speakers and discussion around learning-related topics, including flipped classrooms, mentoring graduate students, and dealing with bias incidents in the classroom.
- **FERM's Sustainable Forest Management graduate program underwent a ten-year review** as a continuing program in FY 2018. Graduate student exit interviews continue to indicate a very high level of satisfaction, with high levels of praise for the FERM office staff and the IT/Help Desk. 91 percent of FERM graduate students ranked their experience in the program as above average and exceptional.
- A new director for the master's in natural resources program was hired with a goal **to improve assessment of learning outcomes, track student progress, conduct exit interviews with graduates, and improve the overall student experience**. A comprehensive graduate student handbook was completed for the MNR program, modeled on the successful handbook for FES on-campus programs.
- **The Dean's Investment Fund** funded two \$30,000 matches to the Provost's Distinguished Doctoral Fellowship, awarded in FY 2018. The college also recently completed its annual Graduate Fellowship competition. The college considered more than 50 nominees and awarded more than \$200,000 in fellowships, with a portion of funds coming from the Dean's Investment Fund.
- Organized by current graduate students, **the college hosted the sixth annual Western Forestry Graduate Research Symposium**. The symposium showcases current graduate student research and promotes academic excellence by challenging students to present their work and receive feedback from their academic and professional peers. In 2018, the symposium showcased more than 40 combined poster and oral presentations.
- **Promoted graduate student research** through [a series of online videos](#) that have collectively garnered more than 200,000 views across all media platforms.

### - Grow external research funding

- Research-productive faculty help the college maintain its position as an international and regional leader in forestry research, **with research expenditures totaling \$24.75 million in FY 2018**, including \$12 million from awarded grants and contracts.

### - Cultivate partnerships with industry and other external stakeholders

- The college organized and held a **Fire Summit** in Spring 2018. Over 30 wildfire scientists, land managers and policy leaders from across the West convened in Portland to consider steps **to reduce the impacts of catastrophic fire in Western states**. A report of the summit was produced and released to provide elected officials and policy administrators **with recommended actions that, if taken, would meaningfully contribute to addressing the challenges facing our fire-prone western forest landscapes**. A follow-up Fire Summit is planned for Fall 2019 to create potential action items for the coming winter legislative and congressional sessions.
- The college continues to **provide science leadership for 10 research cooperatives** that conduct research and apply the results to solve problems, develop new products, support long-term field studies, and develop decision support tools. There are more than 100 unique private industry members and nine government agencies that actively participate in the research cooperatives.
- In July 2017, the college **hosted the 9<sup>th</sup> Forest Regeneration in Changing Environments Conference** in Corvallis. The international conference brought together leading forest researchers and practitioners to share the latest research findings **on managing forest regeneration and early stand dynamics in changing environments around the globe**. Of particular interest were the new discoveries and practices related to managing forest regeneration that will allow quicker and better adaptation to changing environmental, economic, and policy conditions.

## OUTREACH AND ENGAGEMENT

**GOAL: Strengthen impact and reach throughout Oregon and beyond.**

**- Position Oregon State's outreach and engagement programs as vehicles for facilitating high-impact learning and effectively utilizing university research and creative work**

- **The Forestry and Natural Resources Extension Program** conducted 145 educational events across Oregon and the Western United States, as well as nationally. These events provided 362 hours of instruction and reached 6,400 individuals. The FNR Extension Program worked with many partner organizations in the past year and generated more than \$86,520 in program revenues.
- **A sampling of FNR Extension Programs include:**
  - **The Oregon Natural Resources Education Program (ONREP)** prepares K-12 educators to actively engage students in the study of Oregon's diverse natural resources and ecosystems through relevant, meaningful, and place-based experiential learning. In FY 2018, 650 educators attended one of 50 workshops, institutes, school programming or courses held in 24 of Oregon's 36 counties. These educators reach a potential of 35,820 students each year.
  - **The Women Owning Woodlands Network (WOWnet)** continues to provide relevant peer-learning opportunities for women in forestry roles, an emerging landowner group. **The WOWnet program in Oregon, which has over 200 members**, provides members an opportunity to attend sessions, participate in the email listserv, and use the WOWnet website.
  - **The Master Woodland Manager Program (MWM)** had 61 volunteers report 9,212 contacts through 3,822 hours of unique activities with the public, family forestland owners, youth, watershed councils and various other organizations. Volunteers reported being able to better manage their 13,689 collective acres of forestland due to MWM training.
- **The HJ Andrews Experimental Forest and Long-Term Ecological Research Program celebrated its 70<sup>th</sup> anniversary this year and** supports research on forests, streams, and watersheds, and fosters strong collaboration among ecosystem science, education, natural resource management, and the humanities. Last year, the program hosted more than 80 research projects that engaged more than 160 researchers, graduate students, and undergraduates; outreach events engaged more than 1,600 people in classes, tours, and conferences. More than 600 undergraduate and graduate students from across Oregon used the Andrews Forest field station for research and course work. In K-12 outreach, the program hosted more than 300 students in experiential learning experiences in the forest and engaged more than 40 K-12 educators in workshops and trainings.
- **OSU extension faculty worked with the Deschutes Collaborative Forest Project to implement fire restoration practices** west and south of Sisters in spring 2017. Thinning, mowing, and prescribed burning in the area helped reduce the intensity and duration of a portion of the late summer 2017 Milli fire, making it easier to extinguish and keeping private lands in the area protected.
- **Plywood and LVL companies are facing a wave of retirements** and industry leaders expressed a need for training the next generation of industry leaders. In response, WSE faculty resurrected the **Structural Plywood and Veneer-Based Products Workshop**. Nearly 70 people attended including a diverse range of experiences – from those that had been in the industry for six decades to those who have been involved in the industry for just a few weeks.
- **Increase study abroad and strategic international research partnerships**
  - **Internationalization is a key mission** of the college. In order to consolidate international efforts to bring a meaningful focus to activities, the **college identified the Pacific Rim** as the region to intentionally build new partnerships and student experiences. As part of the college's Chile Initiative, reciprocal field courses in Chile and Oregon for Oregon State and Universidad Austral de Chile students provided an opportunity to learn about forest ecosystems and sustainable management in those areas. Faculty collaborations between the two institutions

continue to support student learning between the college and multiple Chilean academic institutions, government agencies and industry partners.

- Following the 2016 launch of a successful student field program, the college is engaged with Oregon-based NGO partners and the Oregon Zoo in **an interdisciplinary effort to develop strategies to address deforestation and loss of biodiversity in Malaysian Borneo**. This innovative partnership is intended to work with partners in Malaysia, and to provide a compelling opportunity for funders. Current projects under development include researching and articulating the ecosystem benefits of micro-hydrology installations being used to provide power to rural indigenous communities.
- The college **co-hosted a Nursery and Seedling Development Study Tour** for the Moroccan High Commission on Water, Forests and Combating Desertification in conjunction with US Forest Service International. The group traveled around central and western Oregon to meet with peers and develop an understanding of plant and tree nursery management in our region.

#### - Engage alumni and other external partners

- **The college's Board of Visitors, consisting of more than 30 leaders from private forest industry, continues to be actively involved in the mission of the college.** More than **\$200,000 in dues is collected each year** and is used to invest in the college's diversity, equity, and inclusion program, international programs, and seed funding for a variety of research projects.
- The college engages alumni in a variety of events including the **Annual Alumni Tailgate Celebration** hosted at Reser Stadium during Homecoming week. The event brought more than 200 alumni in each of the first four years.
- **The college hosted the Dean's Dinner to honor and recognize three outstanding alumni.** Alumni honored at this year's event were Neil Prien, B.S. '97; Dr. Kevin McGarigal, Ph.D. '94; and, Kevin Hoffhine, B.S. '79. The event gave alumni the chance to interact with current students as student groups and individuals participating in college programs presented information about their experiences at the reception.

#### - Advance economic and social progress in rural and urban areas in Oregon and beyond

- **The TallWood Design Institute (TDI)**, a partnership between OSU and the University of Oregon, is focused on the development of innovative wood products and building components capable of being produced in Oregon. Work continues on 10 research projects that were funded to **continue to drive innovation in and use of engineered wood materials, improve rural economies, and allow Oregon to compete in emerging domestic and global markets.**
- One of the most hazardous occupations in the United States, logging fatalities per worker day outnumber those in any other occupation by an order of magnitude. **FERM faculty are researching ways harvest workers can conduct their work away from steep slopes where most fatal accidents occur** by investigating the feasibility, safety, and cost-effectiveness of cable-assisted steep slope logging systems in Oregon forests.
- Forest restoration of federal forests has been a high priority of federal managers. **FERM faculty have found the use of tethered cut-to-length harvesting equipment** can be used to operate on the slippery volcanic soils of central Oregon. Costs were much lower than cable systems **making forest restoration more affordable.** The estimated cost of biochar from the larger scale biochar facility evaluated in the project was only one-third of that of smaller facilities, making **applications in commercial agriculture potentially viable while sequestering carbon.**
- WSE associate professor Seri Robinson is in the process of filing **a new patent on the use of pigments produced from spalting fungi to make batteries and solar cells.** This work could offer a renewable option for solar cell parts currently made out of rare earth metals and also provide a potential revenue stream for small forest landowners who could manage for the fungi, as the pigment produced cannot be synthesized.

- **The Tall Wood Buildings Research Program**, funded by the Agricultural Research Service, **now has 21 active projects** focused on aspects of mass timber construction that include fire and seismic safety, environmental impacts of buildings, durability, adhesives and coatings, building physics and health, and markets and economics.
- **TDI and WSE completed several projects with industry partners** to test design elements for new building projects and new products to help drive rural economic development. A partnership with Freres Lumber, led by Arijit Sinha, has resulted in **commercial production of a new mass plywood panel** at their plant in Lyons, Ore. These panels are being produced in a brand new \$20 million facility capable of manufacturing panels three feet thick, 12 feet wide, and up to 60 feet long for use in large scale commercial buildings.
- TDI has **established a highly active peer-to-peer learning community** to connect and inform professionals from the architecture, engineering and construction sectors in the Portland Metro area. The group has held seven events since October 2017 and has already grown to 144 members.
- In collaboration with the UO College of Design, the college led Oregon timber and wood product executives **on a tour of innovative wood manufacturing facilities in Alpine Europe to explore the use of mass timber in architecture.**

## DIVERSITY AND INCLUSION

**GOAL: Advance diversity and inclusion at OSU, especially related to increasing the diversity of faculty, staff and students.**

- The college has started implementing the **Diversity, Equity, and Inclusion Strategic Plan that was developed in FY 2017 to align college and campus efforts.** To help accomplish the goals and strategies in the plan, the college formed a 13-member DEI committee comprised of faculty, students, and staff.
- **Created a highly visible webpage that includes the College's DEI mission, vision and strategic plan,** and links to additional resources to build awareness of inequities and support the development of more diverse, equitable and inclusive learning environments.
- **Delivered three interactive workshops** to build awareness of differences and bias, cultivate community, and develop practical skills for creating more inclusive learning environments.
  - Partnered with the Pride Center to develop and deliver a LGBTQ+ awareness training for the Forestry Executive Committee (20 attendees). **The entire college leadership team participated in this training.**
  - Hosted two workshops on Navigating Bias in Learning Environments, facilitated by staff in the Office of Institutional Diversity. The workshops were attended by 40 college faculty, students and staff.
- **Initiated partnerships with offices and individuals leading DEI initiatives on campus and elsewhere.** Through these partnerships, we have shared resources, discussed strategies and developed workshops for future collaborative events.
- All college searches for faculty included at least one person **who participated in the search advocate training program.**
- With the goals of **recruiting and retaining graduate students based on diversity and/or academic merit,** the college was **awarded and administered \$70,000 in tuition scholarship funding** as part of the Graduate Laurels Block Grant Funds from the OSU Graduate School.
- Two junior faculty in FES have participated in **the National Center for Faculty and Development and Diversity mentoring program.**



## FACULTY AND STAFF DEVELOPMENT AND SUPPORT

**GOAL: Provide professional development opportunities for employees; to mentor its tenured, tenure-track and non-tenure track faculty; and to support the work-life balance of its employees.**

- The Dean's Fund for Excellence **provides \$20,000 in professional development funds to faculty research assistants** each year. The funds provide opportunities for faculty research assistants who do not have funding from principal investigators for travel, training, and networking activities.
- **The college's research office hosted two training sessions**, one for all active/potential professorial faculty who are principle investigators in the college and one for those specifically at the assistant professor rank who are interested in applying for NSF CAREER grants. The college is committed to helping junior faculty seek funding at the highest level while providing support for senior faculty in adjusting to shifts and trends in the funding landscape.
- Junior faculty in FES **have formal mentoring committees** and the department has started implementing peer review of teaching.

## STEWARDSHIP OF RESOURCES

**GOAL: *Steward resources wisely, enhance support to faculty and students through effective administration, and grow resources through philanthropy.***

- The college continues to receive strong support from donors, receiving **\$5.80 million in private giving in FY 2018**. The college also met its goal of \$35 million in pledges and gifts for the Oregon Forest Science Complex, scheduled to open in Fall 2019. Private giving also supported a number of endowments and provided more than \$500,000 in scholarships during FY 2018.
- Through the generosity of donors, the college **awarded more than \$500,000 in undergraduate scholarships** for the 2017-18 academic year with individual awards ranging from \$1,000 - \$9,000.
- **The College Research Forests** continue to execute sustainable timber management practices that guide timber harvests on college forests. **In calendar year 2017, the college harvested 9.00 million board feet of timber generating \$5.7 million in total timber revenues and \$2.16 million in net revenues** to support college initiatives. During calendar year 2018, the college is on track to **harvest approximately 8.5 million board feet of timber, providing the college with an estimated \$2.05 million in net revenue.**